

NUS CORPORATION
SUPERFUND DIVISION

Site: Iron Horse Park
Break: 2.3
Other: _____
INTERNAL CORRESPONDENCE

C-583-2-4-02

TO: RICHARD LEIGHTON

DATE: FEBRUARY 2, 1984

FROM: BECKY CLEAVER *Becky Cleaver*

COPIES: FILE

SUBJECT: IRON HORSE PARK/JOHNS-MANVILLE LANDFILL ASBESTOS SAMPLING RESULTS
TDD No. FI-8311-03
Job No. 3479-07-01
0300.01

I am enclosing copies of the summary pages from the asbestos analytical results, as requested.

I have listed each sample location adjacent to its corresponding sample number and have attached a copy of the map of sampling locations from the November 22, 1983 Trip Report. Please note that ten replicate (REP) samples were analyzed and are listed as the last ten samples on the summary pages.

RLC/tao

cc: Don Smith



DATE: January 5, 1984

CLIENT: USEPA Region I
60 Westview Street
Lexington, MA 02173

ATTENTION: Mr. Art Clark

REFERENCE: Contract Number SAS 862A

REPORT NO: 5104

SUBJECT: PLM AND SCANNING ELECTRON MICROSCOPE -
ENERGY DISPERSIVE X-RAY MICROPROBE
EXAMINATION OF SOIL SAMPLES

Fifty-three (53) soil samples were received for analysis for asbestos content by the polarized light microscope (PLM). Before the PLM examination the samples were viewed for homogeneity and texture in a stereo microscope and a color photograph taken. The photograph positive has a magnification of 7X. The results of the PLM analyses are summarized in Table I.

Amosite asbestos was identified at an average level above 1% in eighteen of the samples. Chrysotile asbestos occurred at a level greater than 1% in only two of the samples. Nineteen of the samples contained a trace but less than 1% of amosite and seven a trace but less than 1% of chrysotile.

The detection limit is realistically only about 1%. Even though in some samples amounts less than 1% were estimated, there was a statistical probability that if there was less than 1% it could be missed.

To: Mr. Art Clark

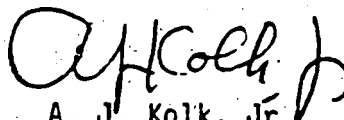
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On the basis of eighteen samples above 1% in asbestos content, two were examined in the SEM-EDX for confirmation. Pictures presenting the confirming results are shown in Figures 1-6.

The data for the individual samples are presented in the Appendix.

Respectfully submitted,

EMS LABORATORIES, INC.


A. J. Kolk, Jr.
Technical Director

AJK/keb

Enclosures

ASBESTOS ANALYSIS SUMMARY

Sample	Map Location	Location	Number of of Preparations	Average Asbestos Present Type and Percent
72408	01	862A-01	2	Amosite, 2%
72409	02	862A-02	2	Amosite, <1%
72410	03	862A-03	2	Amosite, 70%
72411	04	862A-04	2	None
72412	05 (REP.)	862A-05	3	Amosite trace
72413	06	862A-06	2	Amosite, 5%
72414	07	862A-07	3	Amosite trace
72415	08	862A-08	2	None
72416	09	862A-09	4	Amosite, <1% Chrysotile trace
72417	10	862A-10	2	None
72418	11 (REP.)	862A-11	2	None
72419	12	862A-12	2	Chrysotile trace
72420	13 (REP.)	862A-13	3	Amosite trace
72421	14	862A-14	2	Chrysotile trace
72422	15	862A-15	2	None
72423	16	862A-16	2	Amosite, <1%
72424	17 (REP.)	862A-17	2	None
72425	18	862A-18	2	None

Sample	Map Location	Location	Number of Preparations	Average Asbestos Present Type and Percent
72426	19	862A-19	2	Amosite, <1%
72427	20	862A-20	2	Amosite, 5%
72428	21 (REP.)	862A-21	2	Amosite, 70% Chrysotile, 2%
72429	22 (REP.)	862A-22	2	Amosite, 2%
72430	23	862A-23	2	Amosite, 70% Chrysotile, 8%
⁷ 72431	24	862A-24	3	Amosite, <1% Chrysotile trace
72432	25	862A-25	2	Amosite, <1%
72433	Blank	862A-26	2	Amosite, <1%
72434	Blank	862A-27	2	None
72435	26	862A-28	2	None
72436	27	862A-29	2	None
72437	28	862A-30	2	None
72438	29	862A-31	2	None
72439	30	862A-32	3	Amosite, <1% Chrysotile trace
72440	31	862A-33	3	Amosite trace
72441	32	862A-34	3	Amosite, <1%
72442	33	862A-35	2	Amosite, <1%
72443	34	862A-36	2	Amosite, <1%

Sample	^{map} Location	Location	Number of Preparations	Average Asbestos Present Type and Percent
72444	35	862A-37	2	Amosite, <1%
72445	36 (REP)	862A-38	2	Amosite, 35%
72446	37	862A-39	2	Amosite, 75%
72447	38 (REP)	862A-40	2	Amosite, 13%
72448	39	862A-41	2	Amosite, 50%
72449	40 (REP)	862A-42	2	Amosite, 28%
72450	41	862A-43	2	Amosite, 70%
⁸⁵ 72451	05 (REP)	862A-44	2	Amosite, <1%
72486	08 (REP)	862A-45	2	Amosite, <1%
72487	11 (REP)	862A-46	2	Amosite, <1%
72488	13 (REP)	862A-47	2	None
72489	17 (REP)	862A-48	2	None
72490	21 (REP)	862A-49	2	Amosite, 60% Chrysotile trace
72491	22 (REP)	862A-50	2	Amosite, 8% Chrysotile, <1%
72492	36 (REP)	862A-51	2	Amosite, 38%
72493	38 (REP)	862A-52	2	Amosite, 25%
72494	40 (REP)	862A-53	2	Amosite, 15%



FIGURE 1:
Schoonhoven Estates Landfill
Approximate Sample Locations
(Not to Scale)

